BOSTITCH BTFP71875 OPERATION AND MAINTENANCE MANUAL

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BOSTITCH®

BTFP71875

PNEUMATIC STAPLER
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OPERATION and MAINTENANCE MANUAL
MANUAL DE OPERACIÓN Y DE MANTENIMIENTO
MANUEL D'INSTRUCTIONS ET D'ENTRETIEN

⚠WARNING: **⚠ADVERTENCIA:** **⚠ATTENTION:**

BEFORE OPERATING THIS TOOL, ALL OPERATORS SHOULD STUDY THIS MANUAL TO UNDERSTAND AND FOLLOW THE SAFETY WARNINGS AND INSTRUCTIONS. KEEP THESE INSTRUCTIONS WITH THE TOOL FOR FUTURE REFERENCE. IF YOU HAVE ANY QUESTIONS, CONTACT YOUR BOSTITCH REPRESENTATIVE OR DISTRIBUTOR.

ANTES DE OPERAR ESTA HERRAMIENTA, TODOS LOS OPERADORES DEBERÁN ESTUDIAR ESTE MANUAL PARA PODER COMPRENDER Y SEGUIR LAS ADVERTENCIAS SOBRE SEGURIDAD Y LAS INSTRUCCIONES. MANTENGA ESTAS INSTRUCCIONES CON LA HERRAMIENTA PARA FUTURA REFERENCIA, SI TIENE ALGUNA DUDA, COMUNÍQUESE CON SU REPRESENTANTE DE BOSTITCH O CON SU DISTRIBUIDOR.

LIRE ATTENTIVEMENT LE PRÉSENT MANUEL AVANT D'UTILISER L'APPAREIL. PRÉTER UNE ATTENTION TOUTE PARTICULIÈRE AUX CONSIGNES DE SÉCURITÉ ET AUX AVERTISSEMENTS. GARDER CE MANUEL AVEC L'OUTIL POUR FUTUR RÉFÉRENCE. SI VOUS AVEZ DES QUESTIONS, CONTACTEZ VOTRE REPRÉSENTANT OU VOTRE CONCESSIONNAIRE BOSTITCH.

9R201853RB 05/13

BOSTITCH®
BOSTITCH FASTENING SYSTEMS

INTRODUCTION

BOSTITCH tools are precision-built tools, designed for precise, high volume fastening. These tools will deliver efficient, dependable service when used correctly and with care. As with any fine power tool, for best performance the manufacturer's instructions must be followed. Please study this manual before operating the tool and understand the safety warnings and cautions. The instructions on installation, operation and maintenance should be read carefully, and the manual kept for reference. Additional safety measures may be required because of your particular application of the tool. Contact your BOSTITCH representative or distributor with any questions concerning the tool and its use. BOSTITCH, 701 E. Joppa Road, Towson, Maryland 21286, U.S. & Canada Only, É.-U. et Canada seulement

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NOTE:

BOSTITCH tools have been engineered to provide excellent customer satisfaction and are designed to achieve maximum performance when used with precision BOSTITCH fasteners engineered to the same exacting standards. **BOSTITCH cannot assume responsibility for product performance if our tools are used with fasteners or accessories not meeting the specific requirements established for genuine BOSTITCH nails, staples and accessories.**

LIMITED WARRANTY — U.S. and Canada Only

Bostitch Fastening Systems "Bostitch" warrants to the original retail purchaser that the product purchased is free from defects in material and workmanship, and agrees to repair or replace, at Stanley-Bostitch's option, any defective Stanley-Bostitch branded pneumatic stapler or nailer for a period of seven (7) years from date of purchase (one (1) year from the date of purchase for compressors and tools used in production applications). Warranty is not transferable. Proof of purchase date required. This warranty covers only damage resulting from defects in material or workmanship; it does not cover conditions or malfunctions resulting from normal wear, neglect, abuse, accident or repairs attempted or made by other than our national repair center or authorized warranty service centers. Driver blades, bumpers, o-rings, pistons and piston rings are considered normally wearing parts. For optimal performance of your Stanley-Bostitch tool always use genuine Stanley-Bostitch fasteners and replacement parts.

THIS WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. BOSTITCH SHALL NOT BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES.

Some states and countries do not allow limitations on how long an implied warranty lasts, or the exclusion or limitation of incidental or consequential damages, so the above limitations or exclusions may not apply to you. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state and country to country.

To obtain warranty service in the U.S. return the product, together with proof of purchase, to the U.S. Stanley-Bostitch National or Regional Independent Authorized Warranty Service Center. In the U.S. you may call us at 1-800-556-6696 or visit www.BOSTITCH.com for the location most convenient for you. In Canada please call us at 1-800-567-7705 or visit www.BOSTITCH.comus at 1-800-556-6696 or visit www.BOSTITCH.com for the location most convenient for you. In Canada please call us at 800-567-7705 or visit www.BOSTITCH.com

DEFINITIONS - SAFETY GUIDELINES

When using any pneumatic tool, all safety precautions , as outlined below, should be followed to avoid the risk of death or serious injury. Read and understand the instructions before operating the tool.

⚠WARNING: **This manual contains information that is important for you to know and understand. This information relates to protecting YOUR SAFETY and PREVENTING EQUIPMENT PROBLEMS. To help you recognize this information, we use the symbols below. Please read the manual and pay attention to these symbols.**

⚠DANGER: **Indicates an imminently hazardous situation which, if not avoided, will result in death or serious injury.**

⚠WARNING: **Indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.**

⚠CAUTION: **Indicates a potentially hazardous situation which, if not avoided, may result in minor or moderate injury.**

CAUTION: **Indicates a situation which, if not avoided, may result in property damage.**

SAFETY INSTRUCTIONS

⚠WARNING:

EYE PROTECTION which conforms to ANSI specifications and provides protection against flying particles both from the FRONT and SIDE should ALWAYS be worn by the operator and others in the work area when connecting to air supply, loading, operating or servicing this tool. Eye protection is required to guard against flying fasteners and debris, which could cause severe eye injury.

The employer and/or user must ensure that proper eye protection is worn. Eye protection equipment must conform to the requirements of the American National Standards Institute, ANSI Z87.1/CAN/CSA Z94.3 and provide both frontal and side protection. NOTE: Non-side shielded spectacles and face shields alone do not provide adequate protection.

Additional Safety Protection will be required in some environments. For example, the working area may include exposure to noise level which can lead to hearing damage. The employer and user must ensure that any necessary hearing protection is provided and used by the operator and others in the work area. Some environments will require the use of head protection equipment. When required, the employer and user must ensure that head protection conforming to ANSI CAN/CSA Z89.1 is used.

Some dust created by power sanding, sawing, grinding, drilling, and other construction activities contains chemicals known to the State of California to cause cancer, birth defects or other reproductive harm. Some examples of these chemicals are:

- **lead from lead-based paints**
- **crystalline silica from bricks and cement and other masonry products**
- **arsenic and chromium from chemically-treated lumber**

Your risk from these exposures varies, depending on how often you do this type of work. To reduce your exposure to these chemicals: work in a well ventilated area, and work with approved safety equipment, such as those dust masks that are specially designed to filter out microscopic particles.

⚠WARNING:

AIR SUPPLY AND CONNECTIONS

⚠WARNING: **Do not use oxygen, combustible gases, or bottled gases as a power source for this tool as tool may explode, possibly causing injury.**

⚠WARNING: **Do not use supply sources which can potentially exceed 200 PSI as tool may burst, possibly causing injury.**

⚠WARNING: **The connector on the tool must not hold pressure when air supply is disconnected. If a wrong fitting is used, the tool can remain charged with air after disconnecting and thus will be able to drive a fastener even after the air line is disconnected possibly causing injury.**

⚠WARNING: **Do not pull trigger while connected to the air supply as the tool may cycle, possibly causing injury.**

⚠WARNING: **Always disconnect air supply: 1.) Before making adjustments; 2.) When servicing the tool; 3.) When clearing a jam; 4.) When tool is not in use; 5.) When moving to a different work area, as accidental actuation may occur, possibly causing injury; 6.) Before placing tool on any surface, hanging tool on belt, or otherwise temporarily suspending use of the tool.**

OPERATION

⚠WARNING: **Always handle the tool with care: 1.) Never engage in horseplay; 2.) Never pull or grasp the secondary trigger unless nose is directed toward the work; 3.) Keep others a safe distance from the tool while tool is in operation as accidental actuation may occur, possibly causing injury.**

⚠WARNING: **The operator must not hold the secondary trigger pulled except during fastening operation as serious injury could result if the trigger accidentally contacts someone or something, causing the tool to cycle.**

⚠WARNING: **Keep hands and body away from the discharge area of the tool.**

⚠WARNING: **Check operation of the secondary trigger mechanism frequently. Do not use the tool if the secondary trigger is not working correctly as accidental actuation of a fastener may result. Do not interfere with the proper operation of the secondary trigger mechanism.**

⚠WARNING: **Never inadvertently pull or grasp the secondary trigger when moving about, changing work location, when holstering or hanging tool, or when preparing work surface for fastening operation.**

⚠WARNING: **Do not drive fasteners on top of other fasteners or with the tool at an overly steep angle as this may cause deflection of fasteners which could cause injury.**

⚠WARNING: **Do not drive fasteners close to the edge of the work piece as the wood may split, allowing the fastener to be deflected possibly causing injury.**

⚠WARNING: **This stapler produces SPARKS during operation. NEVER use the stapler near flammable substances, gases or vapors including lacquer, paint, benzine, thinner, gasoline, adhesives, mastics, glues or any other material that is -- or the vapors, fumes or byproducts of which are -- flammable, combustible or explosive. Using the stapler in any such environment could cause an EXPLOSION resulting in personal injury or death to user and bystanders. damage.**

MAINTAINING THE TOOL

⚠WARNING: **When working on air tools note the warnings in this manual and use extra care when evaluating problem tools.**

TOOL SPECIFICATIONS

MODEL	LENGTH	HEIGHT	WIDTH	WEIGHT
BTFP71875	8.55” (217 mm)	6.98” (177 mm)	1.73” (44 mm)	2.3 lb (1.1 kg)

FASTENER SPECIFICATIONS:

MODEL	FASTENER SERIES:	FASTENER RANGE:	FASTENER TYPE:	
BTFP71875	TRA700 Series	1/4" - 9/16" (6mm -14mm)	3/8” Crown	
	SWKBN Series	12mm -15mm (1/2" - 5/8")	18 Gauge	

TOOL AIR FITTING:

This tool uses a free-flow connector plug, 1/4” N.P.T. The minimum inside diameter should be .200” (5mm). The fitting must be capable of discharging tool air pressure when disconnected from the air supply.

OPERATING PRESSURE:

80 to 100 PSI (5.5 to 6.9 bars). Select the operating pressure within this range for best fastener performance. DO NOT EXCEED THE RECOMMENDED OPERATING PRESSURE.

AIR CONSUMPTION:

Model BTFP71875 requires 0.41 cubic feet per min (c.f.m.) of free air to operate at the rate of 100 fasteners per minute, at 100 PSI (6.9 bars). Take the actual rate at which the tool will be run to determine the amount of air required. For instance, if your fastener usage averages 50 fasteners per minute, you need 50% of the tool's c.f.m. of free air which is required for running at 100 fasteners per minute.

AIR SUPPLY AND CONNECTIONS

⚠WARNING: Do not use oxygen, combustible gases, or bottled gases as a power source for this tool as tool may explode, possibly causing injury.

FITTINGS:

Install a male plug on the tool which is free flowing and which will release air pressure from the tool when disconnected from the supply source.

FITTING TORQUE SPECIFICATION:

Torque Specification for air fitting: 52-59 IN-LBS (60-68 CM-KGF).

HOSES:

Air hoses should have a minimum of 150 PSI (10.3 bars) working pressure rating or 150% of the maximum pressure that could be produced in the air system. The supply hose should contain a fitting that will provide "quick disconnecting" from the male plug on the tool.

SUPPLY SOURCE:

Use only clean regulated compressed air as a power source for this tool. NEVER USE OXYGEN, COMBUSTIBLE GASES, OR BOTTLED GASES, AS A POWER SOURCE FOR THIS TOOL AS TOOL MAY EXPLODE.

REGULATOR:

A pressure regulator with an operating pressure of 0 - 125 PSI (0 - 8.6 bars) is required to control the operating pressure for safe operation of this tool. Do not connect this tool to air pressure which can potentially exceed 200 PSI (13.8 bars) as tool may fracture or burst, possibly causing injury.

OPERATING PRESSURE:

Do not exceed recommended maximum operating pressure as tool wear will be greatly increased. The air supply must be capable of maintaining the operating pressure at the tool. Pressure drops in the air supply can reduce the tool's driving power. Refer to "TOOL SPECIFICATIONS" for setting the correct operating pressure for the tool.

LOADING THE BTFP71875

⚠WARNING:

EYE PROTECTION which conforms to ANSI specifications and provides protection against flying particles both from the FRONT and SIDE should ALWAYS be worn by the operator and others in the work area when connecting to air supply, loading, operating or servicing this tool. Eye protection is required to guard against flying fasteners and debris, which could cause severe eye injury.

The employer and/or user must ensure that proper eye protection is worn. Eye protection equipment must conform to the requirements of the American National Standards Institute, ANSI Z87.1/CAN/CSA Z94.3 and provide both frontal and side protection. NOTE: Non-side shielded spectacles and face shields alone do not provide adequate protection.

⚠WARNING:

TO PREVENT ACCIDENTAL INJURIES:

- **Never place a hand or any other part of the body in nail discharge area of tool while the air supply is connected.**
- **Never point the tool at anyone else.**
- **Never engage in horseplay.**
- **Never pull or grasp the secondary trigger unless nose is directed at the work.**
- **Always handle the tool with care.**
- **Do not pull either of the two triggers while loading the tool.**

LOADING:

1. Remove air line from tool, Fig.1.
2. Hold stapler upside down as shown and release loading hatch, Fig.2
3. Place one stick of staples in bottom channel so legs are pointing up. Push slide closed, making sure latch engages. Fig. 3.
4. For brads, place only on left side (direction as shown on the magazine liner). Be sure nail heads are pointing down. Push slide closed, make sure latch engages.

TOOL OPERATION

⚠WARNING: **EYE PROTECTION which conforms to ANSI specifications and provides protection against flying particles both from the FRONT and SIDE should ALWAYS be worn by the operator and others in the work area when connecting to air supply, loading, operating or servicing this tool. Eye protection is required to guard against flying fasteners and debris, which could cause severe eye injury.**

The employer and/or user must ensure that proper eye protection is worn. Eye protection equipment must conform to the requirements of the American National Standards Institute, ANSI Z87.1/CAN/CSA Z94.3 and provide both frontal and side protection. NOTE: Non-side shielded spectacles and face shields alone do not provide adequate protection.

BEFORE HANDLING OR OPERATING THIS TOOL:

READ AND UNDERSTAND THE WARNINGS CONTAINED IN THIS MANUAL.

BOSTITCH OFFERS ONE TYPE OF OPERATION FOR THE BTFP71875 SERIES TOOLS, TRIGGER OPERATION WITH SECONDARY TRIGGER

OPERATION

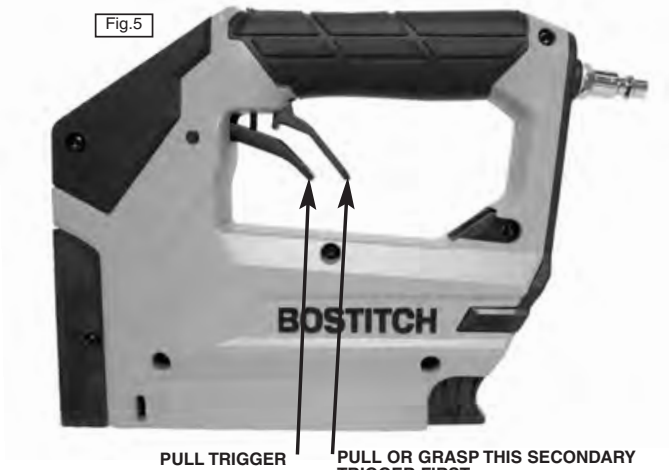
TRIGGER OPERATION WITH A SECONDARY TRIGGER:

When the secondary trigger is pulled, the tool will actuate each time the trigger is pulled. This trigger operated tool is operated by first pulling or grasping the secondary trigger under the hand grip, followed by pulling the trigger under the valve as shown Fig. 5.

⚠WARNING: **Never inadvertently pull or grasp the secondary trigger when moving about, changing work location, when holstering or hanging tool, or when preparing work surface for fastening operation.**

⚠WARNING: **The operator must not hold the secondary trigger pulled except during fastening operation as serious injury could result if the trigger accidentally contacts someone or something, causing the tool to cycle.**

Fig.5



FASTENER JAM CLEARING

⚠WARNING: **ALWAYS DISCONNECT THE TOOL FROM AIR SUPPLY BEFORE CLEARING A JAMMED FASTENER.**

TO CLEAR A JAMMED FASTENER:

1. Release the magazine and pull it back.
2. Remove Jammed fastener

USING THE OPTIONAL BELT HOOK (SOLD SEPERATELY)

⚠WARNING: Always disconnect tool from air supply when making adjustments or servicing.

⚠WARNING: The operator must not hold the secondary trigger pulled except during fastening operation as serious injury could result if the trigger accidentally contacts someone or something, causing the tool to cycle.

⚠WARNING: Never inadvertently pull or grasp the secondary trigger when moving about, changing work location, when holstering or hanging tool, or when preparing work surface for fastening operation.

TOOL OPERATION CHECK:

Remove all fasteners from tool before performing tool operation check.

TRIGGER OPERATION WITH A SECONDARY TRIGGER:

The trigger will only actuate the tool if the secondary trigger has already been pulled.

⚠WARNING: The secondary trigger is located under the handle. The secondary trigger prevents the primary trigger from actuating the tool if the secondary trigger has not been pulled first.

Place the nose of the tool against a work piece for all of the following operation checks.

A. With hand on rear end of the handle, further back away from the secondary trigger, and not squeezing the secondary trigger, use finger to pull the primary trigger.

THE TOOL MUST NOT CYCLE.

B. With hand on handle, and squeezing the secondary trigger, use finger to pull the primary trigger.

THE TOOL MUST CYCLE.

WHILE THE SECONDARY TRIGGER REMAINS SQUEEZED, THE TOOL WILL CYCLE EACH TIME THE PRIMARY TRIGGER IS PULLED!

IN ADDITION TO THE OTHER WARNINGS CONTAINED IN THIS MANUAL OBSERVE THE FOLLOWING FOR SAFE OPERATION

- **Use the BOSTITCH pneumatic tool only for the purpose for which it was designed.**
- **Never use this tool in a manner that could cause a fastener to be directed toward the user or others in the work area.**
- **Do not use the tool as a hammer.**
- **Always carry the tool by the handle with hand off both triggers. Never carry the tool by the air hose.**
- **Do not alter or modify this tool from the original design or function without approval from BOSTITCH**
- **Always be aware that misuse and improper handling of this tool can cause injury to yourself and others.**
- **Never clamp or tape the trigger or secondary trigger in an actuated position.**
- **Never leave a tool unattended with the air hose attached.**
- **Do not operate this tool if it does not contain a legible WARNING LABEL.**
- **Do not continue to use a tool that leaks air or does not function properly. Notify your nearest BOSTITCH representative if your tool continues to experience functional problems.**

MAINTAINING THE PNEUMATIC TOOL

⚠WARNING: **When working on air tools, note the warnings in this manual and use extra care evaluating problem tools.**

REPLACEMENT PARTS:

Use only BOSTITCH replacement. Do not use modified parts or parts which will not give equivalent performance to the original equipment.

AIR SUPPLY-PRESSURE AND VOLUME:

Air volume is as important as air pressure. The air volume supplied to the tool may be inadequate because of undersize fittings and hoses, or from the effects of dirt and water in the system. Restricted air flow will prevent the tool from receiving an adequate volume of air, even though the pressure reading is high. The results will be slow operation, misfeeds or reduced driving power. Before evaluating tool problems for these symptoms, trace the air supply from the tool to the supply source for restrictive connectors, swivel fittings, low points containing water and anything else that would prevent full volume flow of air to the tool.

TROUBLE SHOOTING

PROBLEM	CAUSE	CORRECTION
Trigger valve stem leaks air	O-ring cut or cracked	Replace trigger valve assembly
Failure to cycle	Air supply restriction	Check air supply equipment
	Air pressure too low	Check air supply equipment
Lack of power; slow to cycle	O-rings/seals cut or cracked	Replace O-rings/seals
	Trigger assembly worn/leaks	Replace trigger assembly
	Dirt/tar build up on driver	Disassemble nose/driver to clean
Skipping fasteners;		
-intermittent feed	Air restriction/inadequate air flow through quick disconnect socket and plug	Replace quick disconnect fittings
	Worn piston O-ring	Replace O-ring, check driver
	Damaged pusher spring	Replace spring
	Low air pressure	Check air supply system to tool
	Wrong size fasteners	Use only recommended fasteners
	Broken/chipped driver	Replace driver (check piston O-ring)
	Dry/dirty magazine	Clean
	Worn magazine liner	Replace magazine liner
Fasteners jam in tool	Wrong size fasteners	Use only recommended fasteners
	Bent fasteners	Discontinue using these fasteners
	Broken/chipped driver	Replace driver